

Amendments to the Specification:

Please replace the paragraph beginning at page 14, line 8, with the following amended paragraph:

A first interquad barrier or lens IQ[[2]]1 separates the chamber 34 from the main mass spectrometer chamber 36 and has an aperture for ions. Adjacent the interquad barrier IQ1, there is a short "stubbies" rod set, or Brubaker lens 38. A first mass resolving quadrupole rod set Q1 is provided in the chamber 36 for mass selection of a precursor ion. Following the rod set Q1, there is a collision cell 40 containing a second quadrupole rod set Q2, and following the collision cell 40, there is a third quadrupole rod set Q3 for effecting a second mass analysis step.

Substitute Specification:

As required by the Notice to File Missing Parts, a Substitute Specification, including claims, in compliance with 37 CFR 1.52, 1.121(b)(3), and 1.125, is attached. The herewith Substitute Specification corresponds to the original specification including claims (but includes the amendment referred to in page 2 of this Amendment), but has corrected margins, as requested.